

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A transflective device comprising:
a first substrate;
a second substrate; and
a liquid crystal layer held between the first substrate and the second substrate;
and
a plurality of pixel regions each including a reflective display region, a transmissive display region, and electrodes,
wherein the first substrate includes:
a light reflecting layer located in the overlapping reflective display regions in plan view ~~in pixel regions and in a non-overlapping condition with transmissive display regions in the regions of the pixel regions other than the reflective display regions;~~ and
a thickness adjusting layer setting the thickness of the liquid crystal layer in at least a portion of each of the reflective display regions to be smaller than the thickness of the liquid crystal layer in at least a portion of each of the transmissive display regions; and
wherein the second substrate includes a shading film;
slopes are formed in the thickness-adjusting layer ~~at a transition between each reflective display region and transmissive display region;~~ and
a portion edges of the light-reflecting layer adjacent the transmissive display regions are substantially aligned completely overlaps with bottom edges of the slopes of

the thickness adjusting layer to prevent transmitted light from entering the transition between reflective display region and the transmissive display region.

2. (original) A transflective liquid crystal device according to Claim 1, wherein the overlapping sides defining the pixel region and the transmissive display region are adjacent to the reflective display region of an adjacent pixel region.

3. (original) A transflective liquid crystal device according to Claim 1, further comprising reflective-display color filters in the reflective display regions and transmissive-display color filters, which are colored more strongly than the reflective-display color filters, in the transmissive display regions.

4. – 5. (cancelled)

6. (original) A transflective liquid crystal device according to Claim 1, wherein the slopes of the thickness-adjusting layer at the transitions between the reflective display regions and the transmissive display regions have a width of 8 μm or less.

7. (original) A transflective liquid crystal device according to Claim 1, wherein a twist angle of liquid crystal in the liquid crystal layer is 90° or less.

8. (original) An electronic apparatus comprising a transflective liquid crystal device as set forth in Claim 1.

9. (currently amended) A transflective device comprising:

- a first substrate;
- a second substrate; and
- a liquid crystal layer held between the first substrate and the second substrate[.,,];

at least one pixel region including a reflective display region, a transmissive display region, and electrodes;

- a light-reflecting layer formed between the liquid crystal layer and the first substrate, ~~the light reflecting layer having edges adjacent to transmissive display regions which are located in regions other than the reflective display regions;~~
- a thickness-adjusting layer setting the thickness of the liquid crystal layer in at least a portion of each of the reflective display regions to be smaller than the thickness of the liquid crystal layer in at least a portion of each of the transmissive display regions, the thickness-adjusting layer having a slope ~~at a transition between each reflective display region and transmissive display region~~, inboard edges of the slopes of the thickness adjusting layer being overlapped by a portion ~~substantially aligned with edges of the light-reflecting layer~~ such that transmitted light may not enter a transition between the reflective display region and the transmissive display region; and
- a shading film formed in between the liquid crystal layer and the second substrate.

10. (previously presented) The transflective device according to claim 9, wherein the thickness-adjusting layer is formed between the liquid crystal layer and the first substrate.

11. (previously presented) The transflective liquid crystal device according to Claim 9, wherein the overlapping sides defining the pixel region and the transmissive display region are adjacent to the reflective display region of an adjacent pixel region.

12. (previously presented) The transflective liquid crystal device according to Claim 9, further comprising reflective-display color filters in the reflective display regions and transmissive-display color filters, which are colored more strongly than the reflective-display color filters, in the transmissive display regions.

13. (previously presented) The transflective liquid crystal device according to Claim 9, wherein the slopes of the thickness-adjusting layer at the transitions between the reflective display regions and the transmissive display regions have a width of 8 μm or less.

14. (previously presented) The transflective liquid crystal device according to Claim 9, wherein a twist angle of liquid crystal in the liquid crystal layer is 90° or less.

15. (previously presented) An electronic apparatus comprising a transflective liquid crystal device as set forth in Claim 9.

16. (previously presented) A transflective device as claimed in claim 9, wherein the edges of the slopes of the thickness adjusting layer are at a thinnest section of the thickness adjusting layer.

17. (previously presented) A transflective device as claimed in claim 9, wherein the edges of the slopes of the thickness adjusting layer are edges nearest a substrate on which the thickness adjusting layer is formed.

18. (currently amended) A transflective device according to claim 9, wherein the shading film overlaps the transition between each reflective display region and transmissive display region ~~with respect to a thickness direction of the liquid crystal.~~

19. (new) A transflective device comprising:

- a first substrate;
- a second substrate;
- a liquid crystal layer held between the first substrate and the second substrate;
- a pixel region including a reflective display region, a transmissive display region, and electrodes;
- a light-reflecting layer formed between the liquid crystal layer and the first substrate;
- a thickness-adjusting layer setting the thickness of the liquid crystal layer in the reflective display regions to be smaller than the thickness of the liquid crystal layer in at least a portion of the transmissive display region, the thickness-adjusting layer having an edge substantially proximate to the transmissive display region and a sloping section that extends from the edge in a direction away from the corresponding substrate, the edge of the thickness adjusting layer and the slope at least adjacent to the edge being overlapped by a portion of the light-reflecting layer such that transmitted light is blocked at the edge of the thickness adjusting layer and the slope at least adjacent to the edge.

20. (new) A transflective device comprising:

- a first substrate;
- a second substrate;
- a liquid crystal layer held between the first substrate and the second substrate;
- a pixel region including a reflective display region, a transmissive display region, and electrodes;
- a light-reflecting layer formed between the liquid crystal layer and the first substrate;
- a thickness-adjusting layer setting the thickness of the liquid crystal layer in at least a portion of the reflective display region to be smaller than the thickness of the liquid crystal layer in at least a portion of the transmissive display region, the thickness adjusting layer having an edge substantially proximate to the transmissive display region and a sloping section that extends from the edge in a direction away from the corresponding substrate, the edge of the thickness adjusting layer and the slope at least adjacent to the edge being overlapped by a portion of the light-reflecting layer.

21. (new) The transflective device according to claim 19, wherein the thickness-adjusting layer is formed between the liquid crystal layer and the first substrate.

22. (new) The transflective liquid crystal device according to Claim 19, further comprising reflective-display color filters in the reflective display regions and transmissive-display color filters, which are colored more strongly than the reflective-display color filters, in the transmissive display regions.

23. (new) The transflective liquid crystal device according to Claim 19, wherein the slopes of the thickness-adjusting layer at a transition between the reflective display regions and the transmissive display regions have a width of 8 μm or less.

24. (new) The transflective liquid crystal device according to Claim 19, wherein a twist angle of liquid crystal in the liquid crystal layer is 90° or less.

25. (new) An electronic apparatus comprising a transflective liquid crystal device as set forth in Claim 19.

26. (new) The transflective device as claimed in claim 19, wherein the edges of the slopes of the thickness adjusting layer are at a thinnest section of the thickness adjusting layer.

27. (new) The transflective device as claimed in claim 19, wherein the edges of the slopes of the thickness adjusting layer are edges nearest a substrate on which the thickness adjusting layer is formed.

28. (new) The transflective device according to claim 20, wherein the thickness-adjusting layer is formed between the liquid crystal layer and the first substrate.

29. (new) The transflective liquid crystal device according to Claim 20, further comprising reflective-display color filters in the reflective display regions and

transmissive-display color filters, which are colored more strongly than the reflective-display color filters, in the transmissive display regions.

30. (new) The transflective liquid crystal device according to Claim 20, wherein the slopes of the thickness-adjusting layer at a transition between the reflective display regions and the transmissive display regions have a width of 8 μm or less.

31. (new) The transflective liquid crystal device according to Claim 20, wherein a twist angle of liquid crystal in the liquid crystal layer is 90° or less.

32. (new) An electronic apparatus comprising a transflective liquid crystal device as set forth in Claim 20.

33. (new) The transflective device as claimed in claim 20, wherein the edges of the slopes of the thickness adjusting layer are at a thinnest section of the thickness adjusting layer.

34. (new) The transflective device as claimed in claim 20, wherein the edges of the slopes of the thickness adjusting layer are edges nearest a substrate on which the thickness adjusting layer is formed.